

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082408.D
 Acq On : 31 May 2024 15:10
 Operator : JC\MD
 Sample : PB161190ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#06

Quant Time: May 31 22:58:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

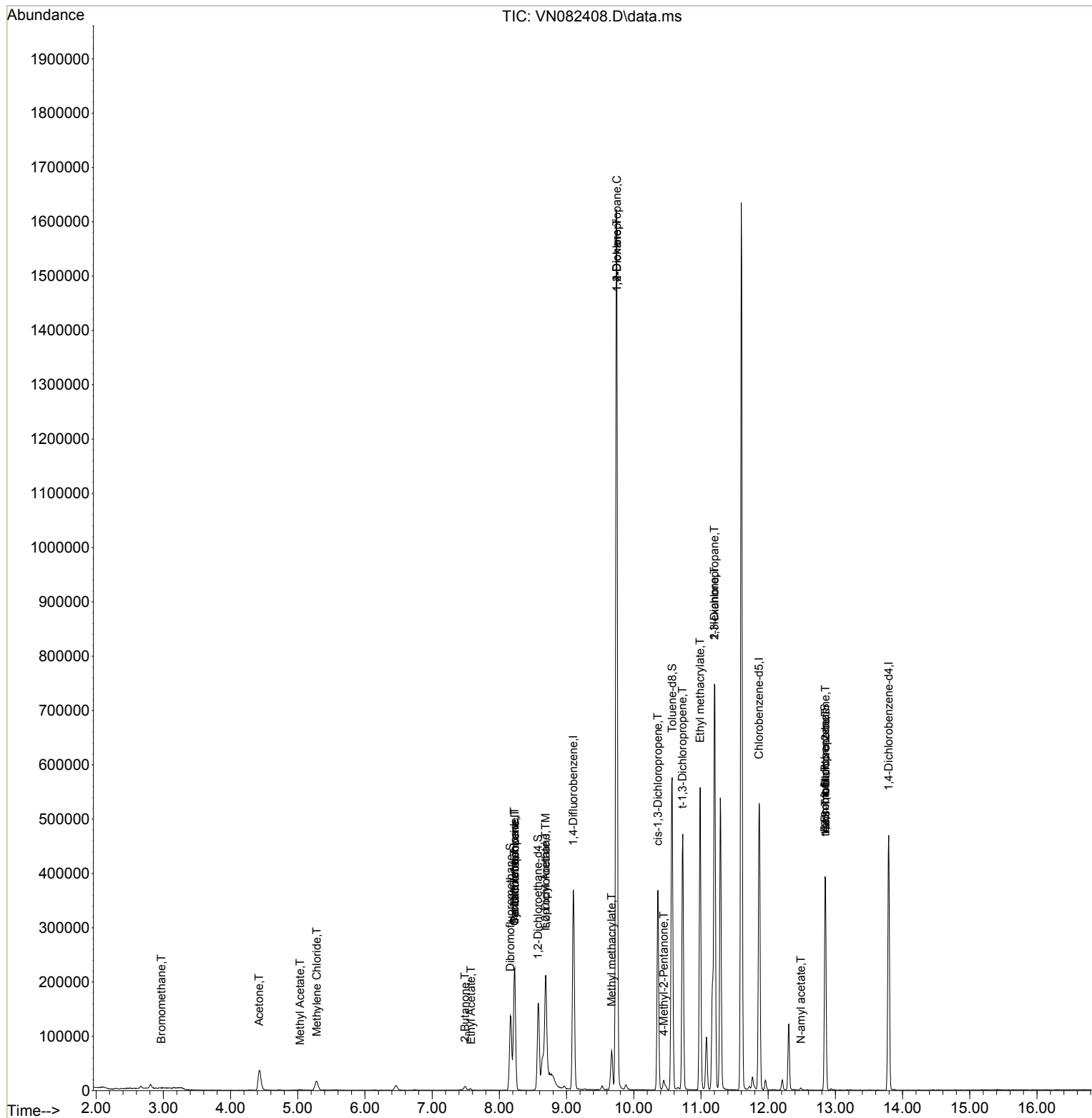
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

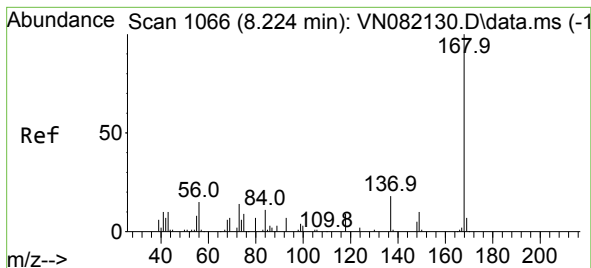
Internal Standards						
1) Pentafluorobenzene	8.229	168	157132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133076	53.635	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.260%	
35) Dibromofluoromethane	8.165	113	95061	53.182	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.360%	
50) Toluene-d8	10.571	98	377762	55.124	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.240%	
62) 4-Bromofluorobenzene	12.847	95	124103	50.737	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.480%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	322	0.232	ug/l	91
16) Acetone	4.424	43	75762	74.436	ug/l	93
18) Methyl Acetate	5.036	43	3156	1.245	ug/l #	58
20) Methylene Chloride	5.283	84	12095	5.890	ug/l #	73
25) 2-Butanone	7.488	43	12627	8.183	ug/l #	74
31) Cyclohexane	8.224	56	4742	1.197	ug/l #	45
36) 1,1-Dichloropropene	8.229	75	14749	4.920	ug/l #	49
37) Ethyl Acetate	7.577	43	4526	1.349	ug/l #	79
38) Carbon Tetrachloride	8.224	117	17103	5.628	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1176	0.342	ug/l #	73
43) Isopropyl Acetate	8.688	43	326972	55.001	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	2034	0.882	ug/l #	45
48) Methyl methacrylate	9.671	41	5101	1.801	ug/l #	39
49) 1,4-Dioxane	9.747	88	80	2.015	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	18209	5.391	ug/l #	72
53) t-1,3-Dichloropropene	10.723	75	802	0.243	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	55323	15.808	ug/l #	77
56) Ethyl methacrylate	10.988	69	1706	0.515	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7298	2.002	ug/l #	42
59) 2-Hexanone	11.200	43	115725	46.793	ug/l #	47
71) Bromoform	12.847	173	527	1.021	ug/l #	28
74) N-amyl acetate	12.488	43	2190	0.429	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	74192	30.178	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74192	70.586	ug/l #	13

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN082408.D

Acq: 31 May 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

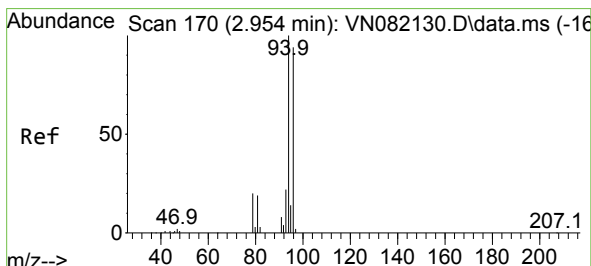
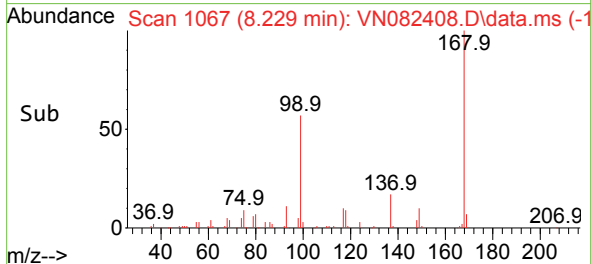
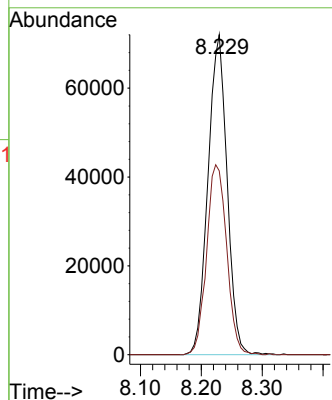
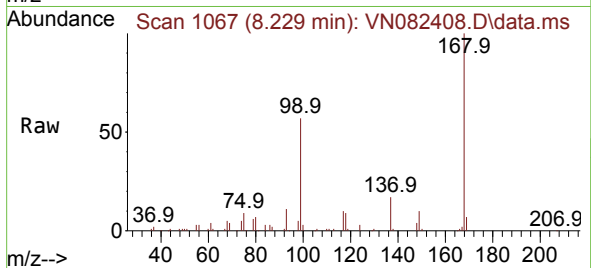
PB161190ZHE#06

Tgt Ion:168 Resp: 157132

Ion Ratio Lower Upper

168 100

99 57.5 48.2 72.4



#5

Bromomethane

Concen: 0.232 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.018 min

Lab File: VN082408.D

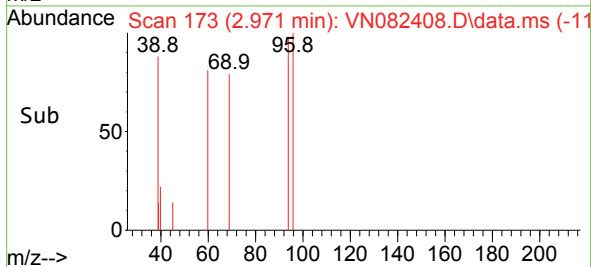
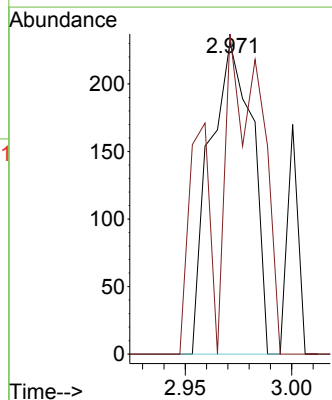
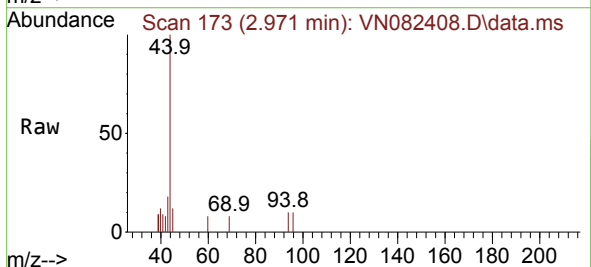
Acq: 31 May 2024 15:10

Tgt Ion: 94 Resp: 322

Ion Ratio Lower Upper

94 100

96 102.6 74.8 112.2

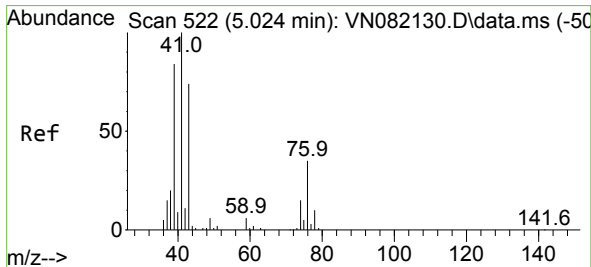
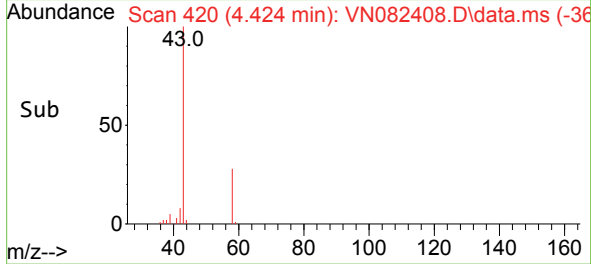
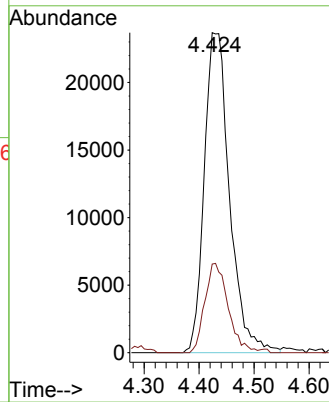
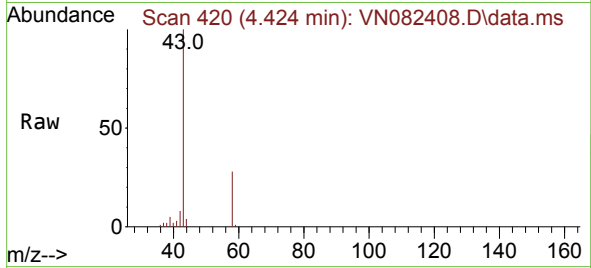




#16
Acetone
Concen: 74.436 ug/l
RT: 4.424 min Scan# 431
Delta R.T. -0.000 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

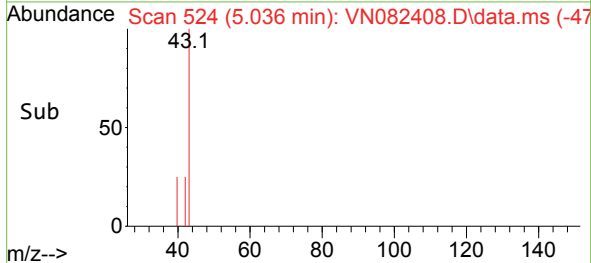
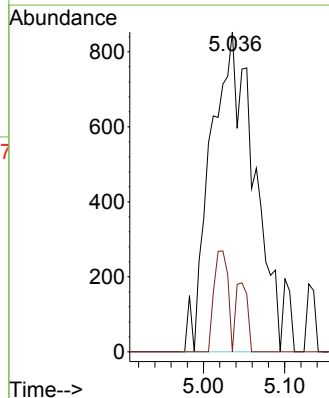
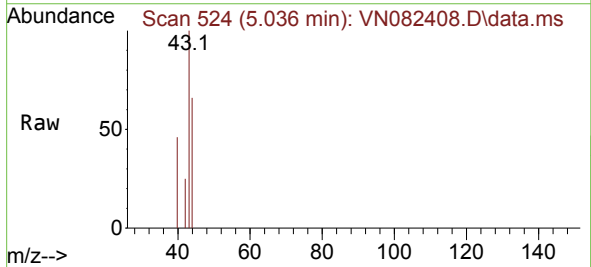
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#06

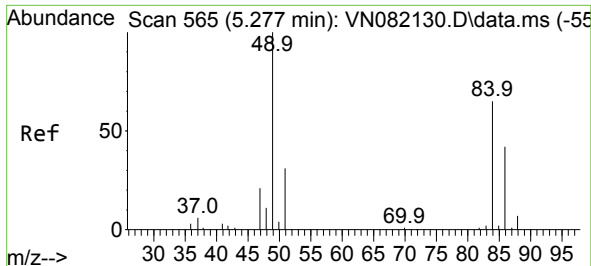
Tgt Ion: 43 Resp: 75762
Ion Ratio Lower Upper
43 100
58 27.7 25.2 37.8



#18
Methyl Acetate
Concen: 1.245 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

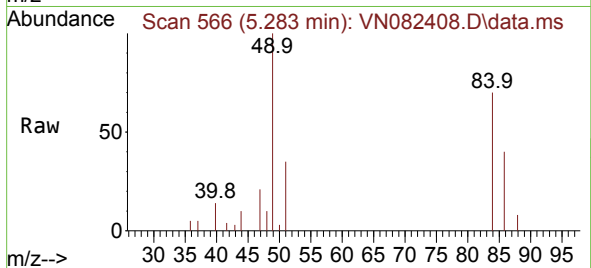
Tgt Ion: 43 Resp: 3156
Ion Ratio Lower Upper
43 100
74 5.8 22.2 33.2#



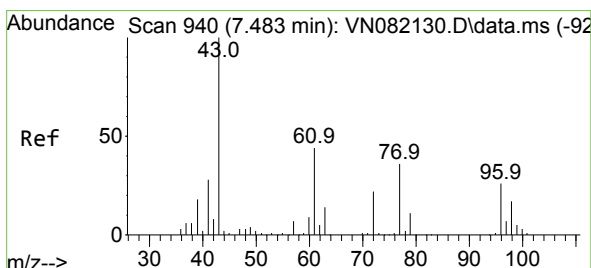
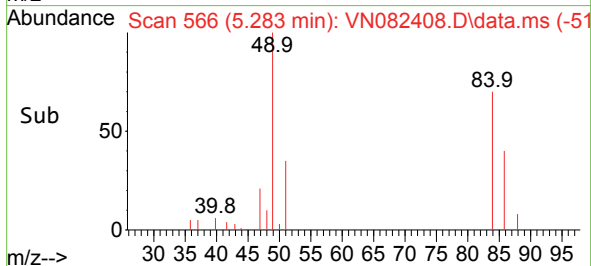
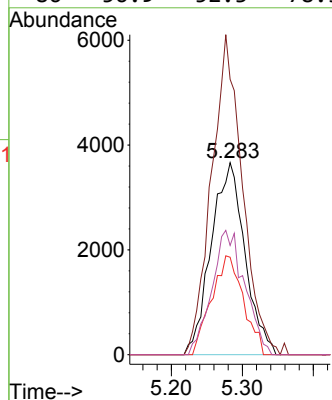


#20
Methylene Chloride
Concen: 5.890 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#06

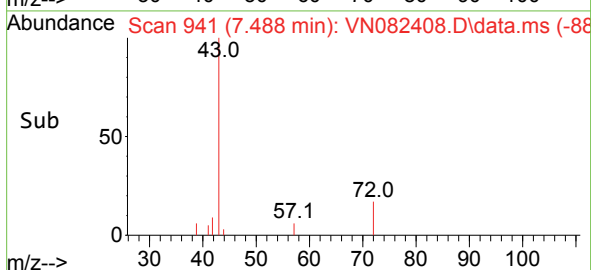
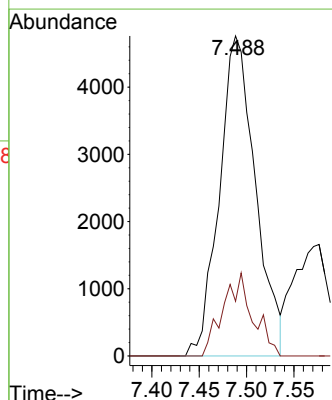
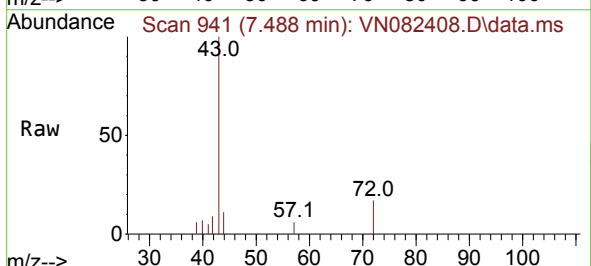


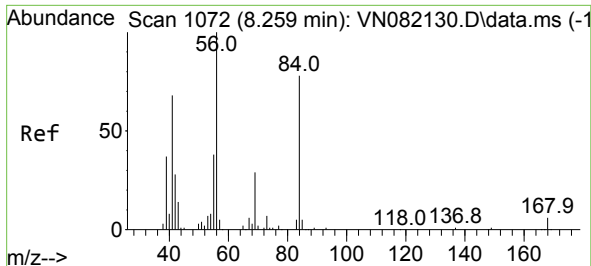
Tgt Ion: 84	Resp: 12095
Ion Ratio	Lower Upper
84 100	
49 143.4	84.9 127.3#
51 50.8	27.0 40.6#
86 56.9	52.3 78.5



#25
2-Butanone
Concen: 8.183 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

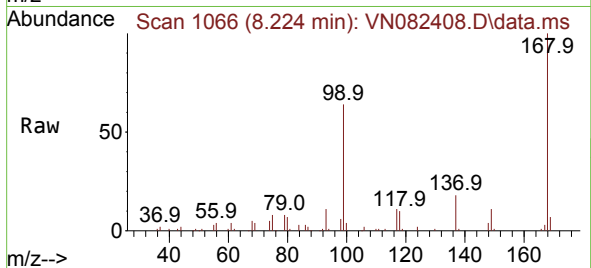
Tgt Ion: 43	Resp: 12627
Ion Ratio	Lower Upper
43 100	
72 17.1	25.3 37.9#



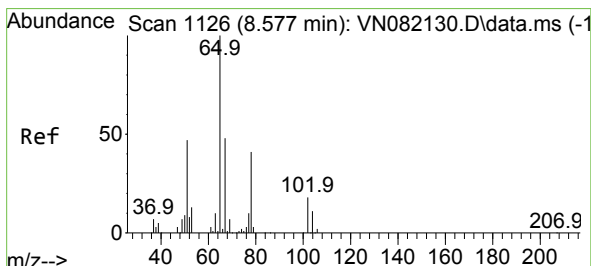
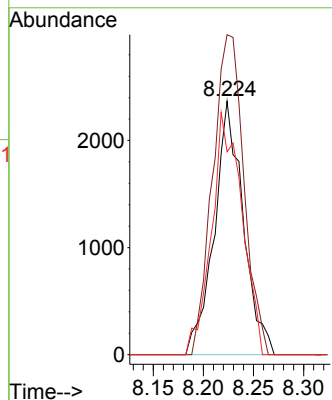
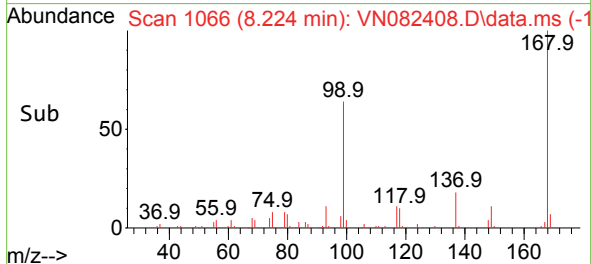


#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#06

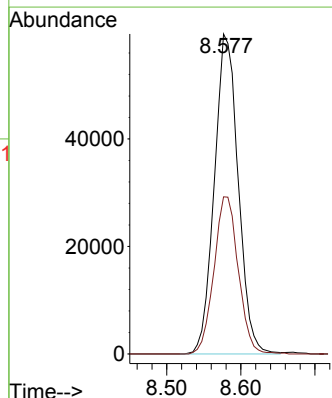
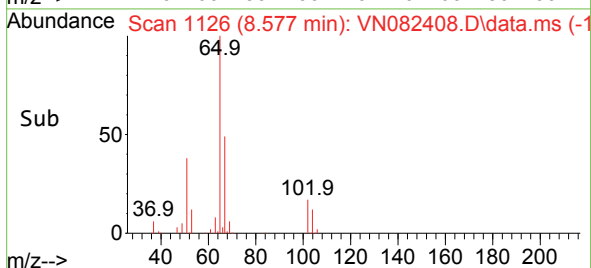
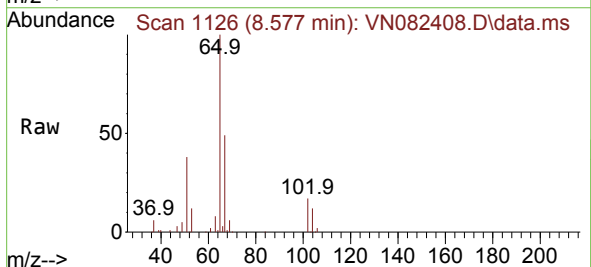


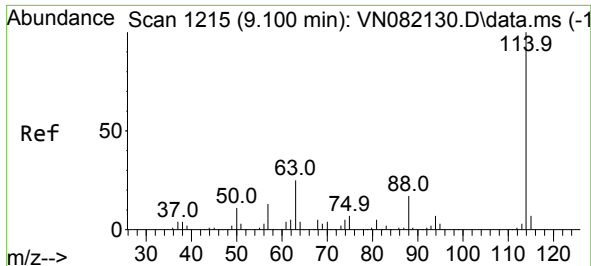
Tgt Ion: 56 Resp: 4742
Ion Ratio Lower Upper
56 100
69 126.3 24.4 36.6#
84 80.1 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.635 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Tgt Ion: 65 Resp: 133076
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082408.D

Acq: 31 May 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#06

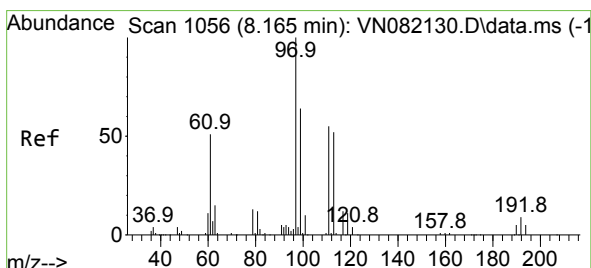
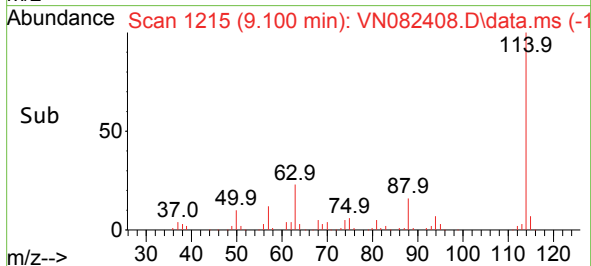
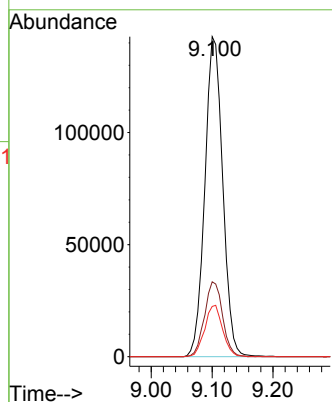
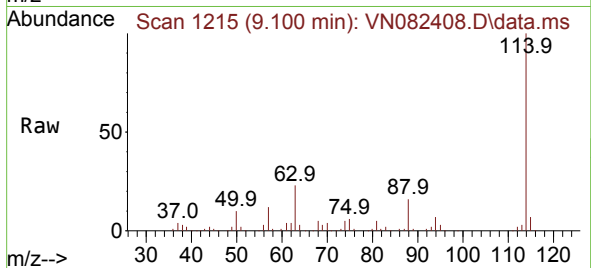
Tgt Ion:114 Resp: 290572

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.0

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.182 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082408.D

Acq: 31 May 2024 15:10

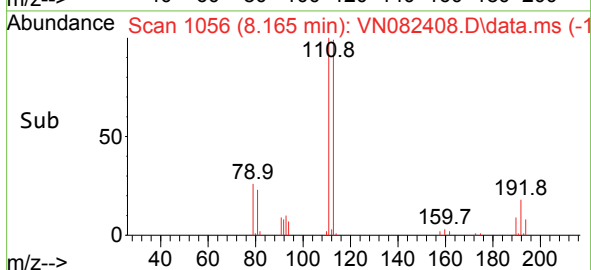
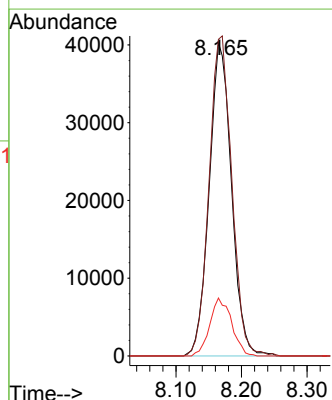
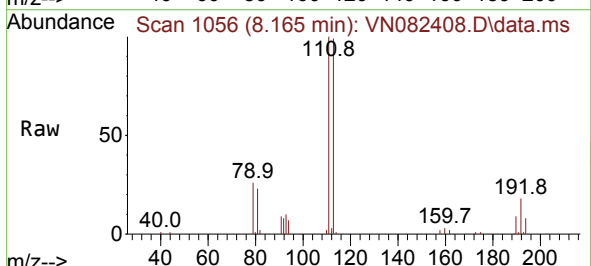
Tgt Ion:113 Resp: 95061

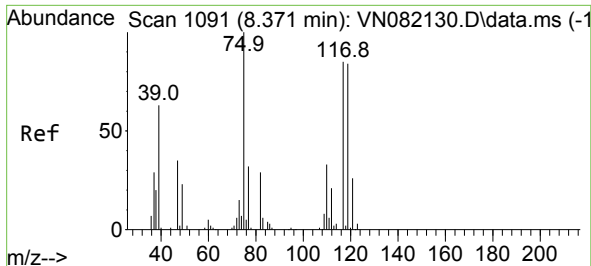
Ion Ratio Lower Upper

113 100

111 104.1 83.4 125.2

192 18.1 14.0 21.0

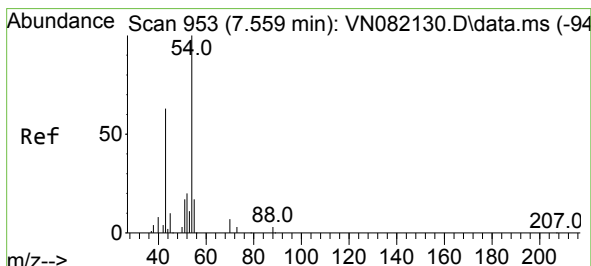
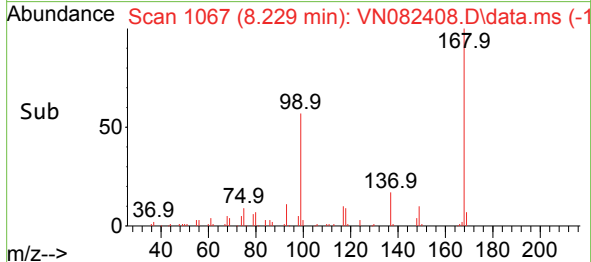
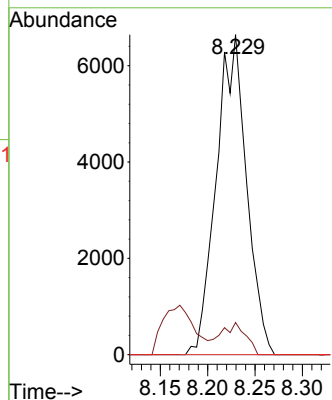
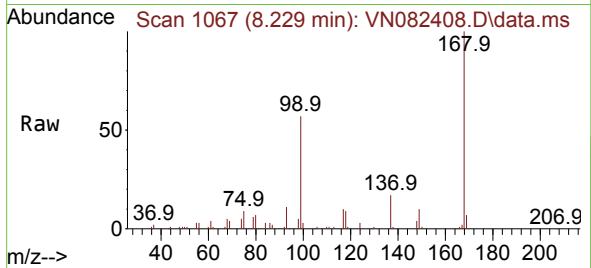




#36
1,1-Dichloropropene
Concen: 4.920 ug/l
RT: 8.229 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

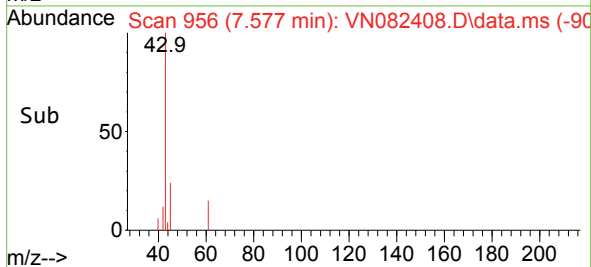
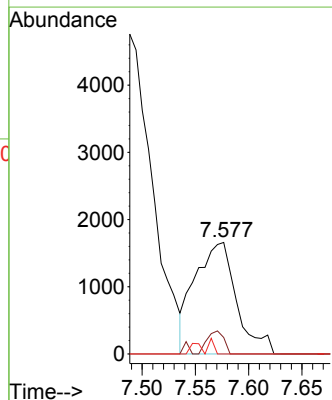
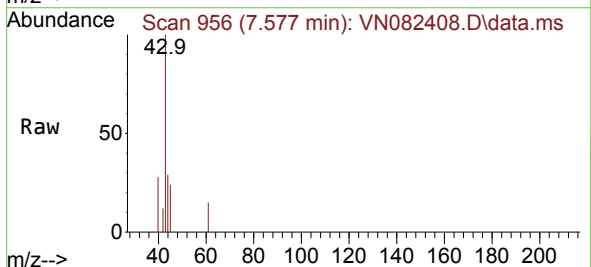
Instrument :
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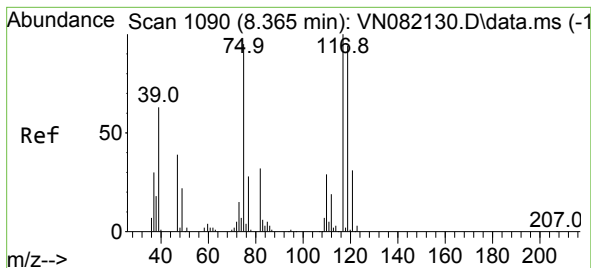
Tgt Ion: 75 Resp: 14749
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.349 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.018 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Tgt Ion: 43 Resp: 4526
Ion Ratio Lower Upper
43 100
61 8.3 11.3 16.9#
70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.628 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.141 min

Lab File: VN082408.D

Acq: 31 May 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#06

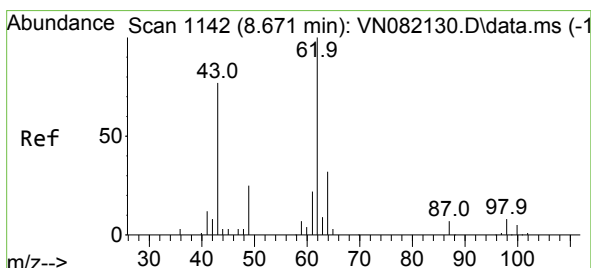
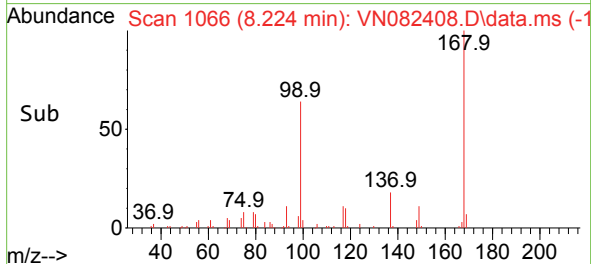
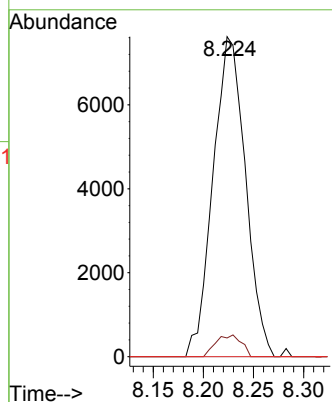
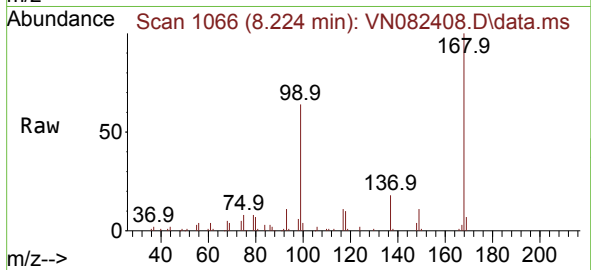
Tgt Ion:117 Resp: 17103

Ion Ratio Lower Upper

117 100

119 5.8 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.342 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082408.D

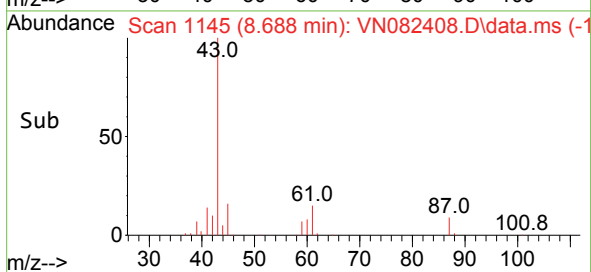
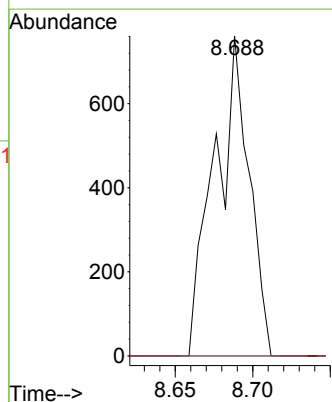
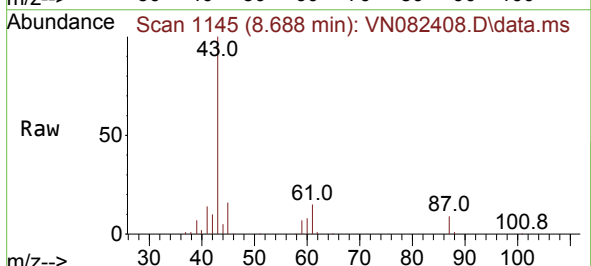
Acq: 31 May 2024 15:10

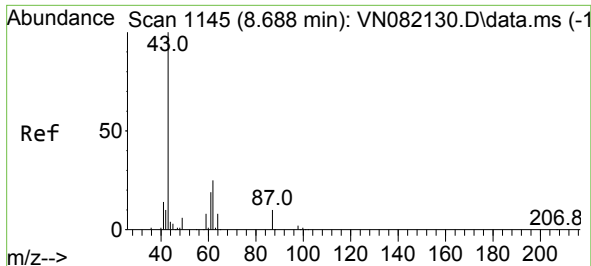
Tgt Ion: 62 Resp: 1176

Ion Ratio Lower Upper

62 100

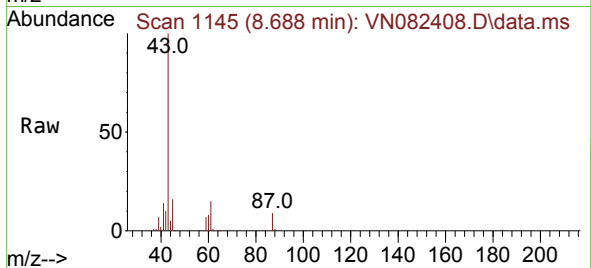
98 0.0 0.0 19.6



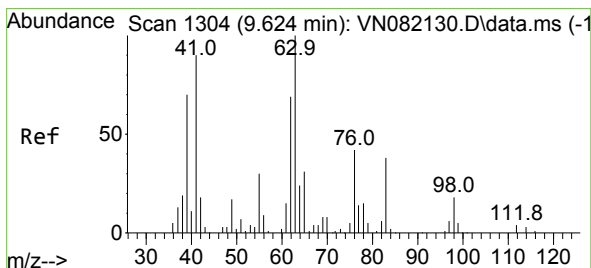
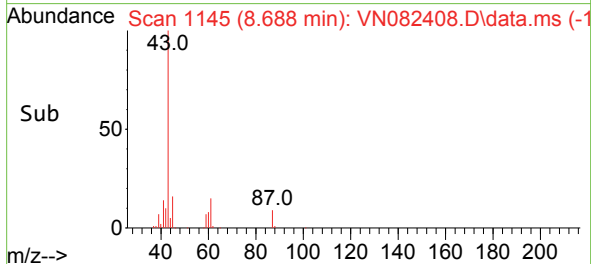
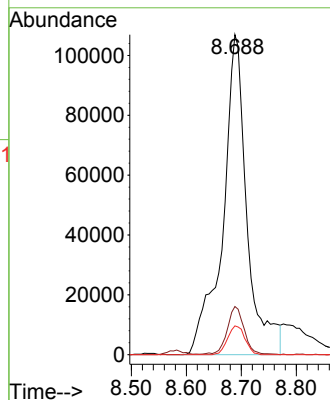


#43
Isopropyl Acetate
Concen: 55.001 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#06

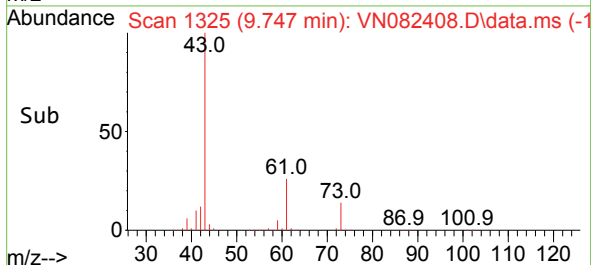
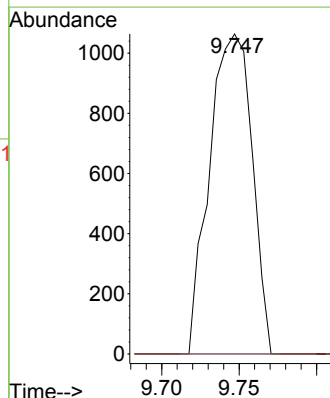
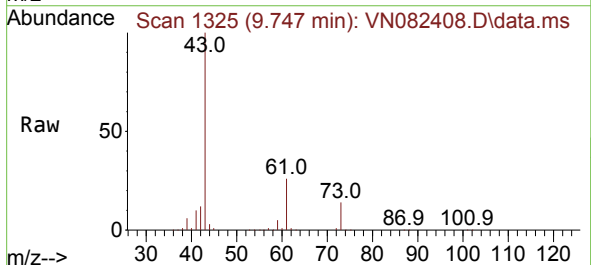


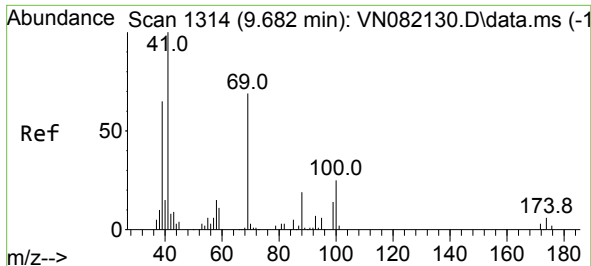
Tgt Ion: 43 Resp: 326972
Ion Ratio Lower Upper
43 100
61 10.6 22.8 34.2#
87 6.4 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.882 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Tgt Ion: 63 Resp: 2034
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

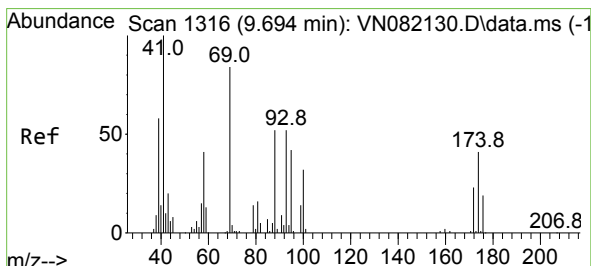
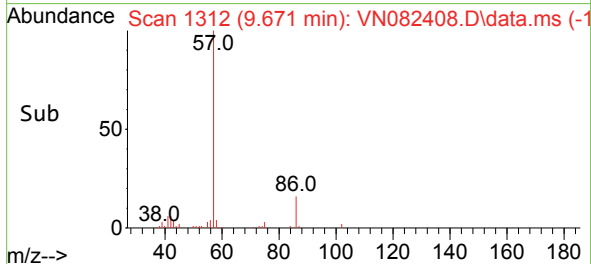
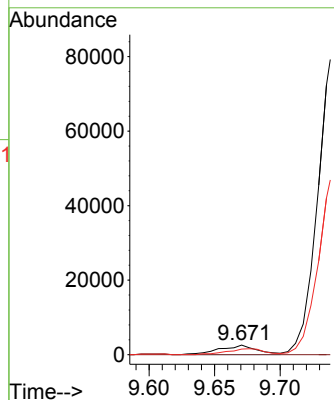
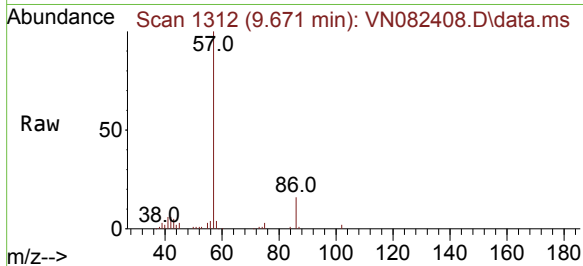




#48
Methyl methacrylate
Concen: 1.801 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

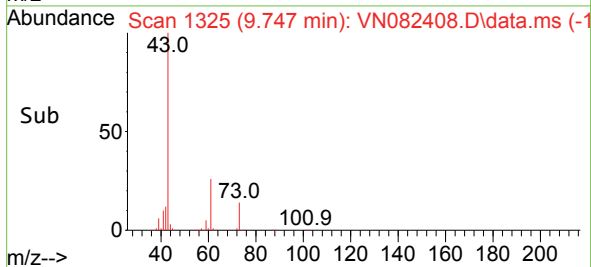
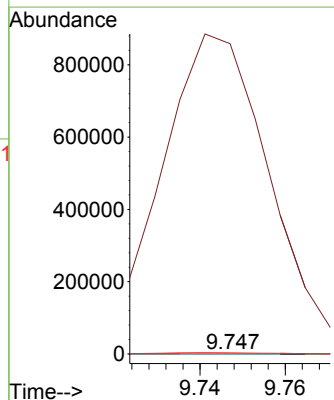
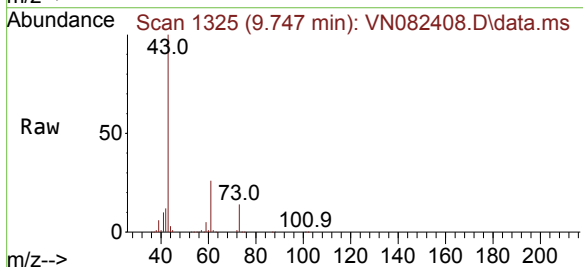
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#06

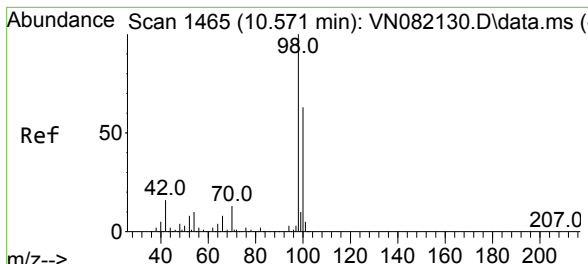
Tgt Ion: 41 Resp: 5101
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 61.8 50.9 76.3



#49
1,4-Dioxane
Concen: 2.015 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 2005945.0 19.0 28.6#
58 8295.0 50.6 76.0#

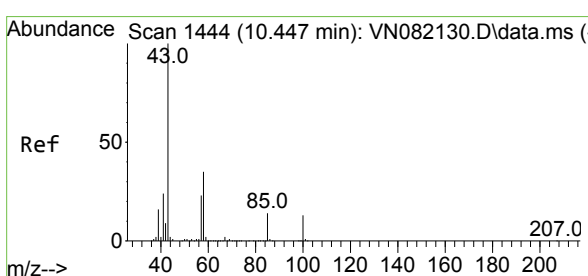
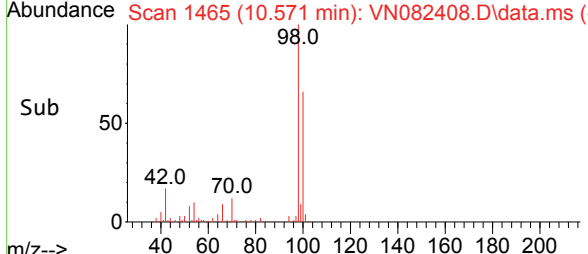
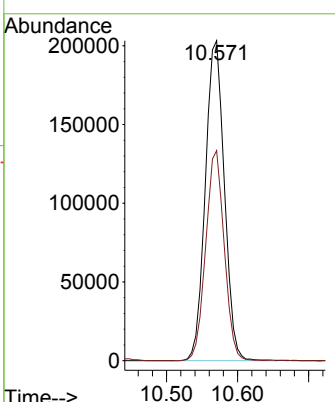
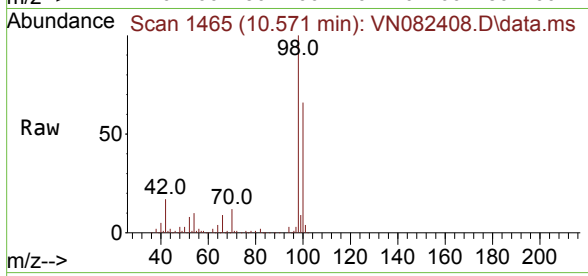




#50
 Toluene-d8
 Concen: 55.124 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. -0.000 min
 Lab File: VN082408.D
 Acq: 31 May 2024 15:10

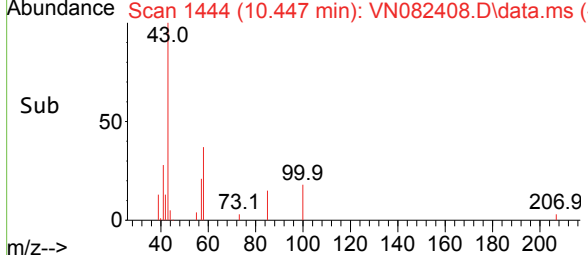
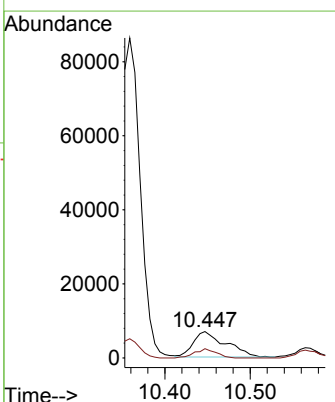
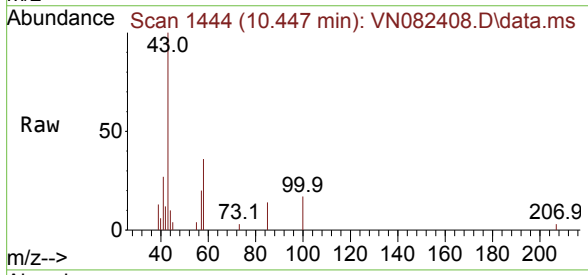
Instrument : MSVOA_N
 ClientSampleId : PB161190ZHE#06

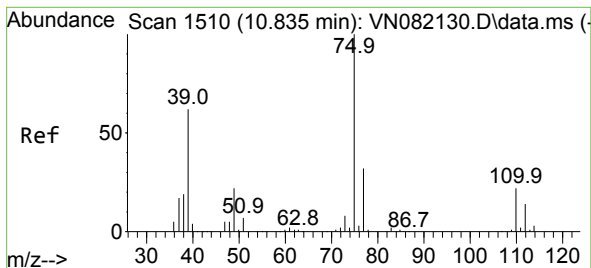
Tgt Ion: 98 Resp: 377762
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.8 77.6



#51
 4-Methyl-2-Pentanone
 Concen: 5.391 ug/l
 RT: 10.447 min Scan# 1444
 Delta R.T. -0.000 min
 Lab File: VN082408.D
 Acq: 31 May 2024 15:10

Tgt Ion: 43 Resp: 18209
 Ion Ratio Lower Upper
 43 100
 58 24.0 33.2 49.8#

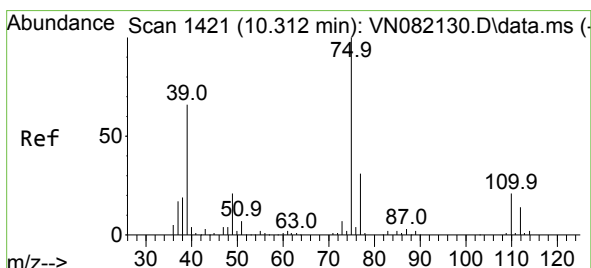
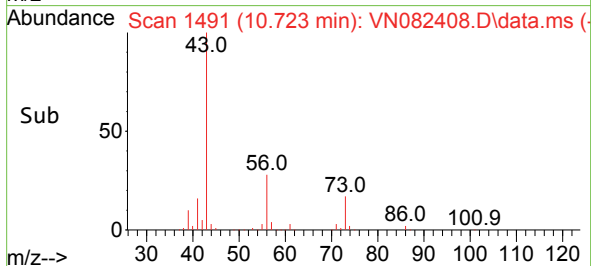
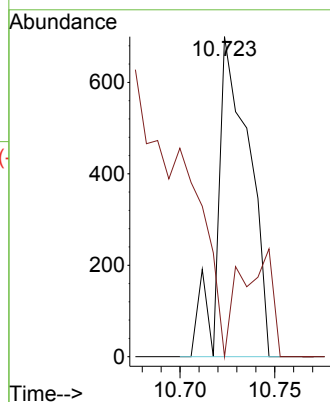
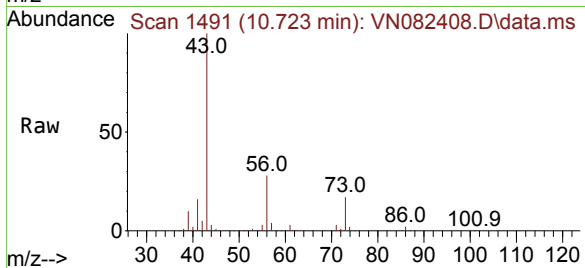




#53
 t-1,3-Dichloropropene
 Concen: 0.243 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082408.D
 Acq: 31 May 2024 15:10

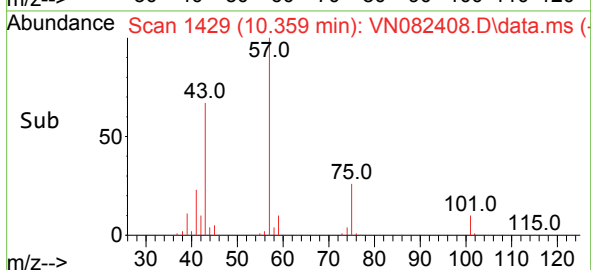
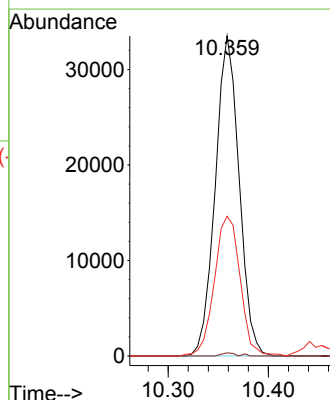
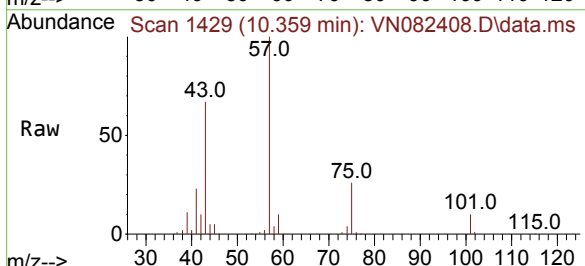
Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#06

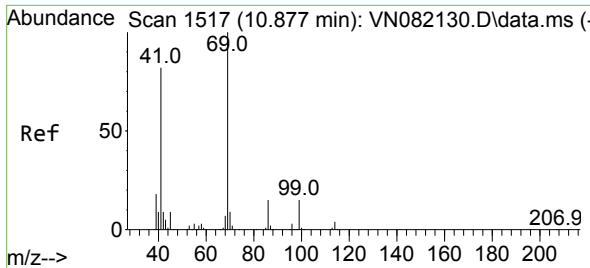
Tgt Ion: 75 Resp: 802
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 15.808 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082408.D
 Acq: 31 May 2024 15:10

Tgt Ion: 75 Resp: 55323
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.4#
 39 43.6 34.8 52.2

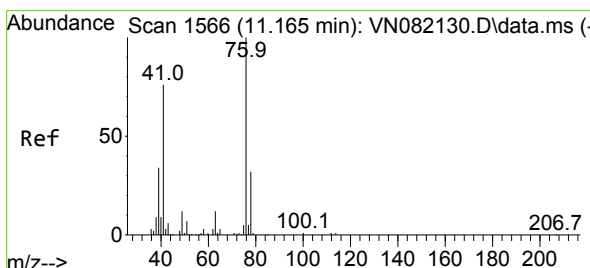
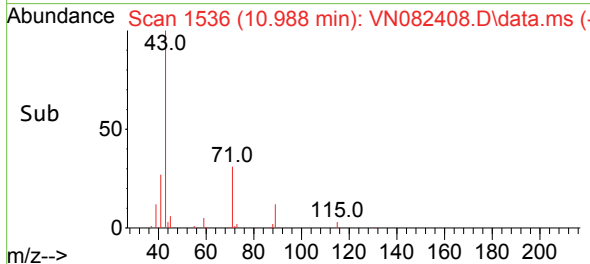
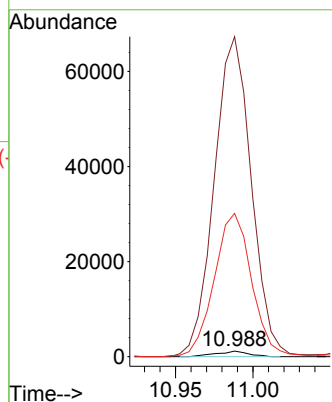
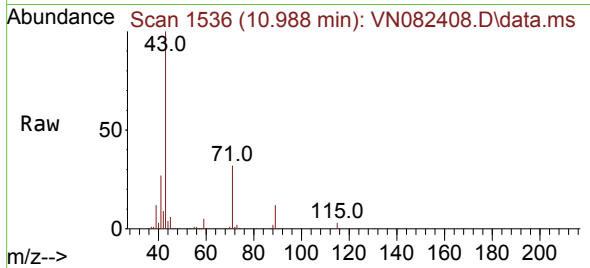




#56
Ethyl methacrylate
Concen: 0.515 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

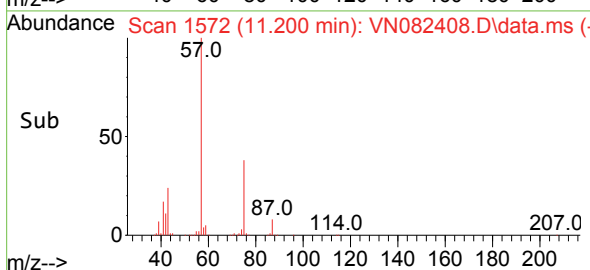
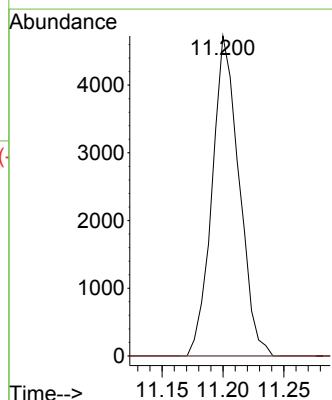
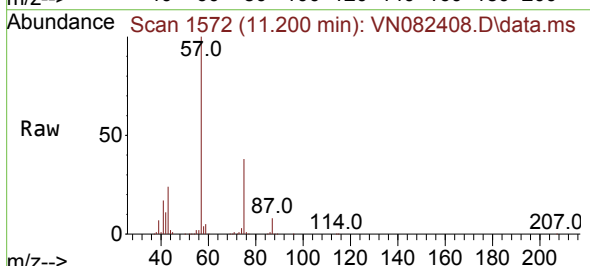
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#06

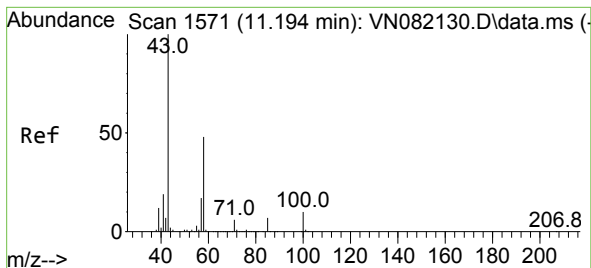
Tgt Ion: 69 Resp: 1706
Ion Ratio Lower Upper
69 100
41 6575.5 46.6 70.0#
39 2971.5 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.002 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Tgt Ion: 76 Resp: 7298
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

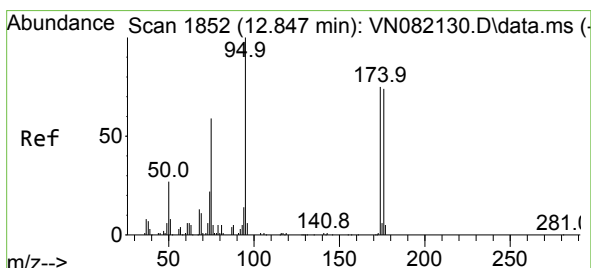
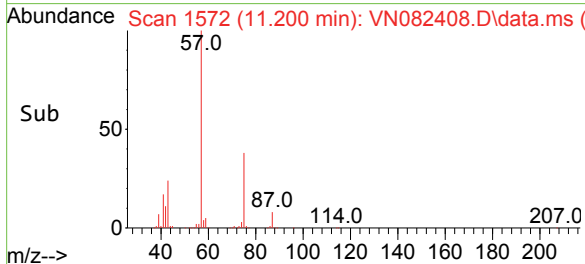
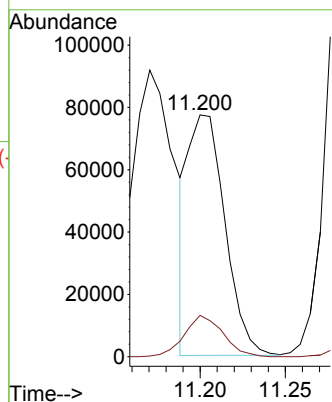
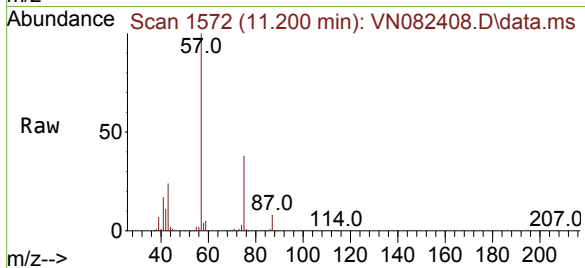




#59
2-Hexanone
Concen: 46.793 ug/l
RT: 11.200 min Scan# 115725
Delta R.T. 0.006 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

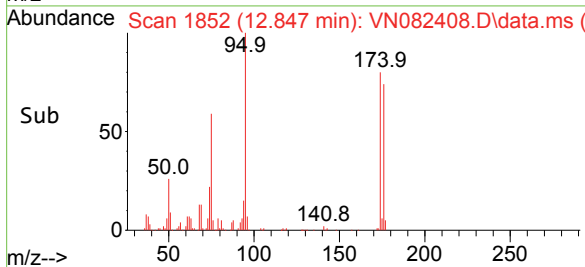
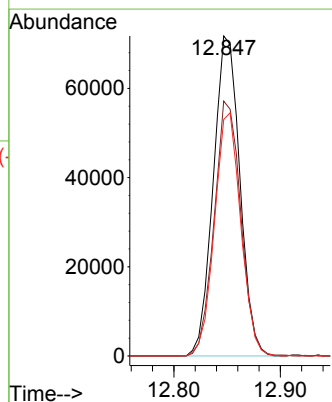
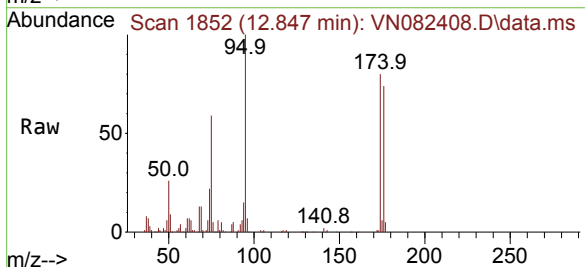
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#06

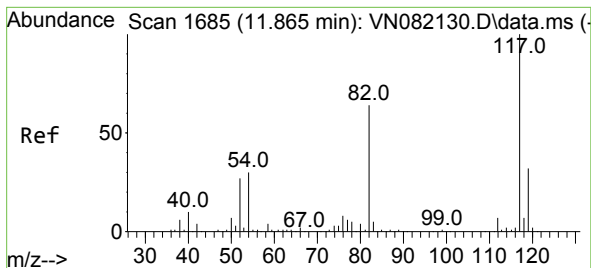
Tgt Ion: 43 Resp: 115725
Ion Ratio Lower Upper
43 100
58 18.1 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.737 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Tgt Ion: 95 Resp: 124103
Ion Ratio Lower Upper
95 100
174 79.8 0.0 160.6
176 75.1 0.0 152.8

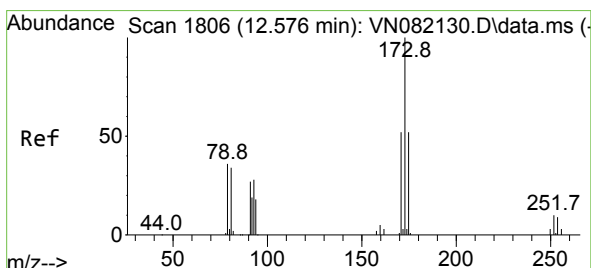
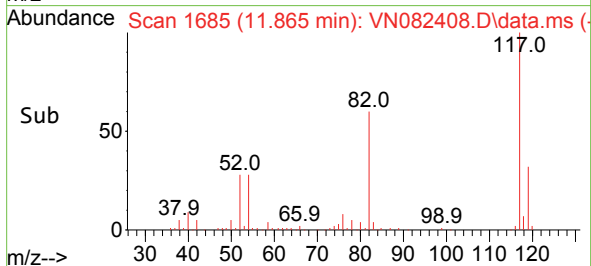
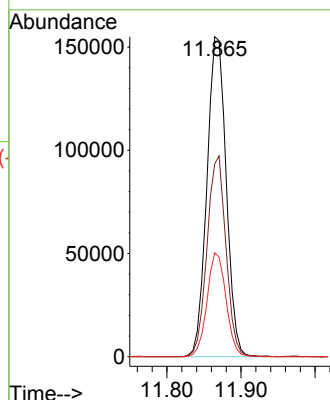
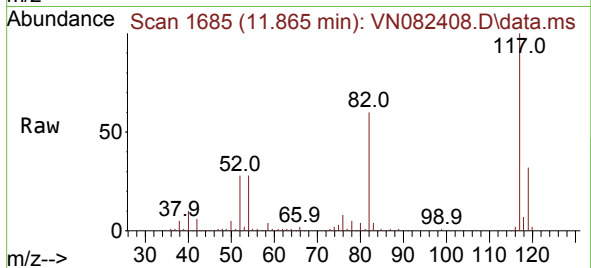




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

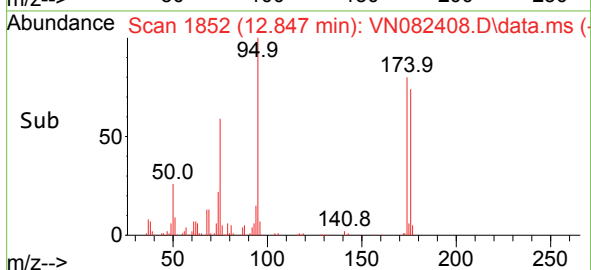
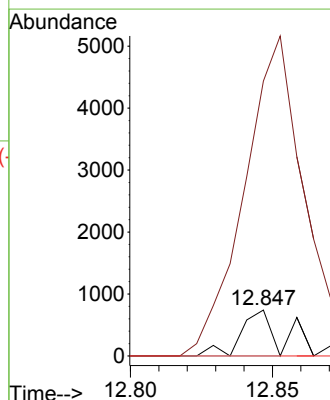
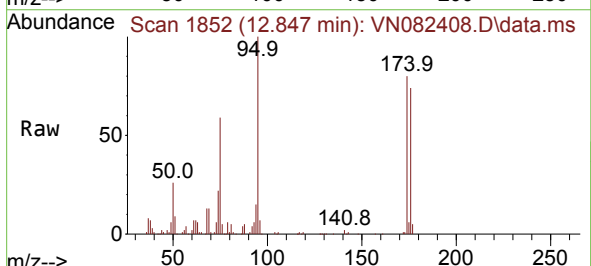
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#06

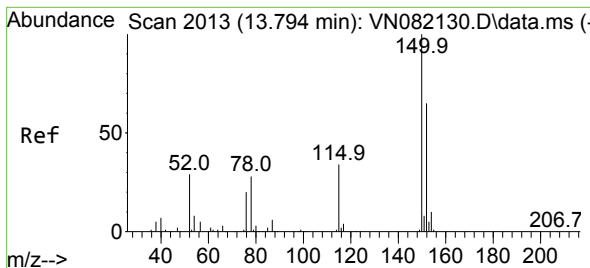
Tgt Ion:117 Resp: 280245
Ion Ratio Lower Upper
117 100
82 60.3 44.6 66.8
119 32.5 25.9 38.9



#71
Bromoform
Concen: 1.021 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Tgt Ion:173 Resp: 527
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN082408.D

Acq: 31 May 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#06

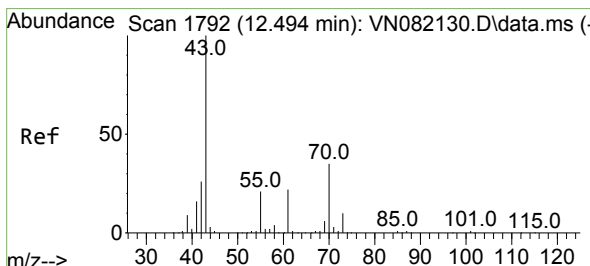
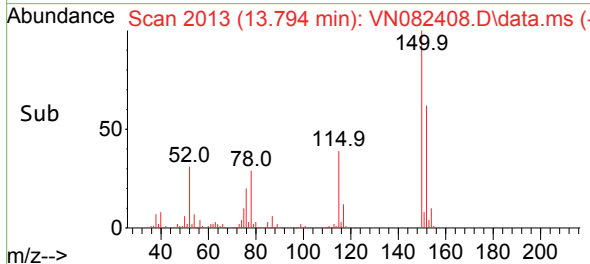
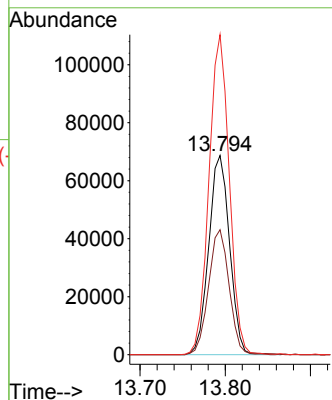
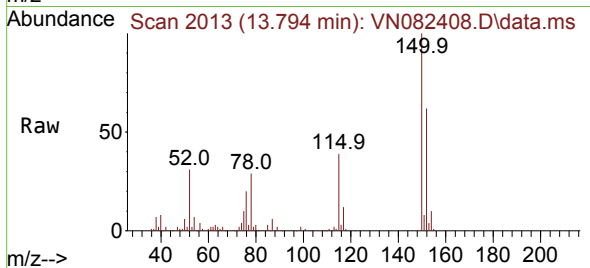
Tgt Ion:152 Resp: 116804

Ion Ratio Lower Upper

152 100

115 61.8 30.4 91.3

150 156.3 0.0 353.2



#74

N-ethyl acetate

Concen: 0.429 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN082408.D

Acq: 31 May 2024 15:10

Tgt Ion: 43 Resp: 2190

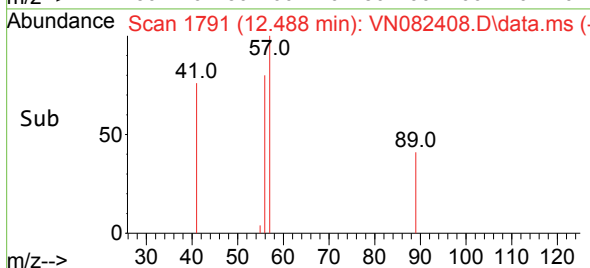
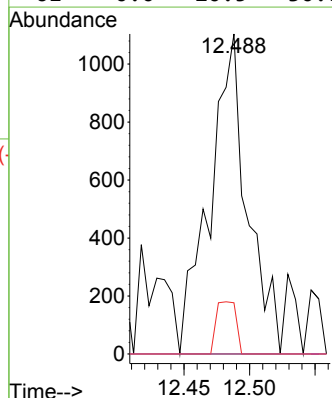
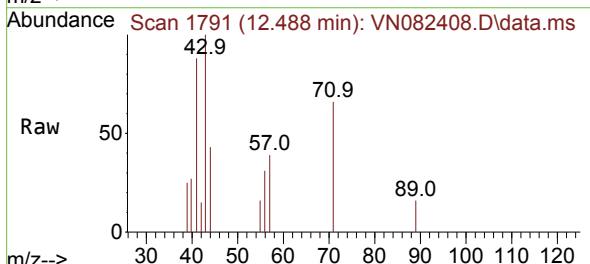
Ion Ratio Lower Upper

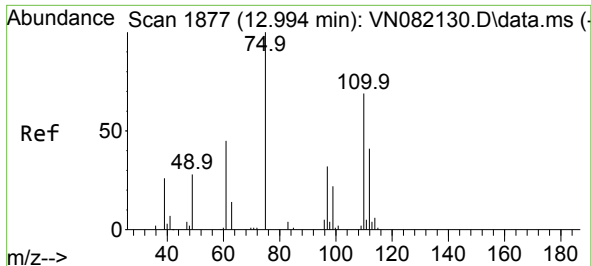
43 100

70 0.0 39.0 58.4#

55 8.6 21.3 31.9#

61 0.0 20.5 30.7#

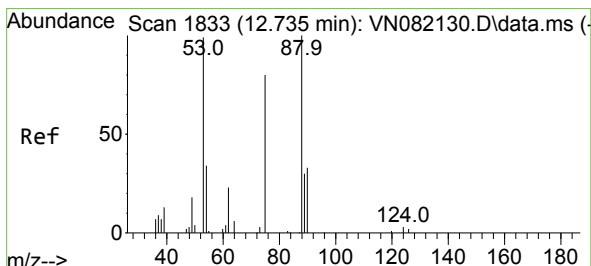
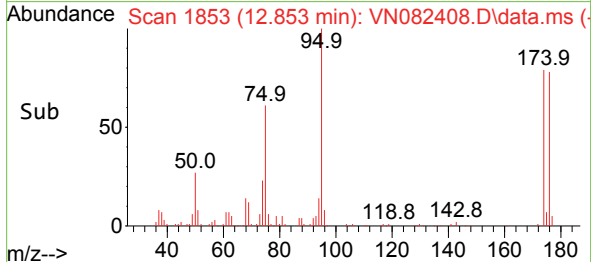
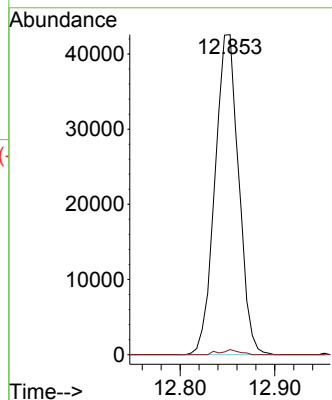
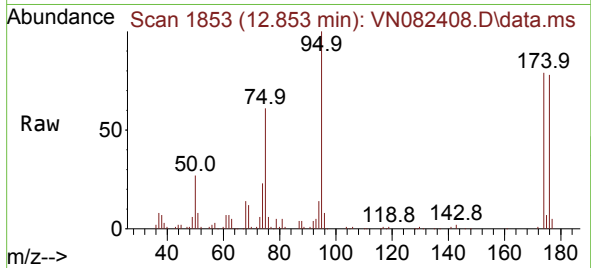




#76
1,2,3-Trichloropropane
Concen: 30.178 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#06

Tgt Ion: 75 Resp: 74192
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.586 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082408.D
Acq: 31 May 2024 15:10

Tgt Ion: 75 Resp: 74192
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.2 39.1 58.7#

